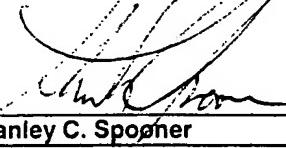


FORM PTO-1390 MODIFIED	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 124-1102
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/520849 (unassigned)	
INTERNATIONAL APPLICATION NO. PCT/GB2003/002851	INTERNATIONAL FILING DATE 3 July 2003	PRIORITY DATE CLAIMED 11 July 2002	
TITLE OF INVENTION PHOTODETECTOR CIRCUITS			
APPLICANT(S) FOR DO/EO/US MARSHALL et al			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The U.S. has been elected (Article 31).</p> <p>5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (2 face pages, 18 pages specification, claims & abstract (25 claims), 3 sheets drawings – Figs. 1-6).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> is attached hereto (pages specification, claims & abstract (claims), sheets drawings, page Certificate of Translation).</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. a. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>b. <input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>			
<p>Items 11 To 20 below concern document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p> <p>13. a. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>b. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information. International Search Report</p>			

JT12 Rec'd PCT/PTO 11 JAN 2005

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) (unassigned)			INTERNATIONAL APPLICATION NO. PCT/GB2003/002851			ATTORNEY'S DOCKET NUMBER 124-1102																																															
21. <input checked="" type="checkbox"/> The following fees are submitted:																																																					
BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):																																																					
<input checked="" type="checkbox"/> a) Basic national fee \$300.00 (1631)/\$150.00 (2631) <input checked="" type="checkbox"/> b) Examination Fee..... \$200.00 (1633)/\$100.00 (2633) <input checked="" type="checkbox"/> c) Search Fee \$500.00 (1632)/\$250.00 (2632)						\$ 300.00																																															
TOTAL OF ABOVE CALCULATIONS \$1000.00/\$500.00						\$ 200.00																																															
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																					
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<table border="1"> <thead> <tr> <th>CLAIMS</th> <th colspan="2">NUMBER FILED</th> <th># EXTRA</th> <th colspan="3">RATE</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>27</td> <td>minus 20</td> <td>7 X</td> <td>\$50.00 (1615)/</td> <td>\$25.00 (2615)</td> <td></td> <td>\$</td> <td>350.00</td> </tr> <tr> <td></td> <td></td> <td>=</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>5</td> <td>minus 3 =</td> <td>2 X</td> <td>\$200.00 (1614)</td> <td>\$100.00 (2614)</td> <td></td> <td>\$</td> <td>400.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</td> <td colspan="3">\$360.00 (1616)/\$180.00 (2616)</td> <td>\$</td> <td>360.00</td> </tr> </tbody> </table>									CLAIMS	NUMBER FILED		# EXTRA	RATE					Total Claims	27	minus 20	7 X	\$50.00 (1615)/	\$25.00 (2615)		\$	350.00			=							Independent Claims	5	minus 3 =	2 X	\$200.00 (1614)	\$100.00 (2614)		\$	400.00	MULTIPLE DEPENDENT CLAIMS(S) (if applicable)				\$360.00 (1616)/\$180.00 (2616)			\$	360.00
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Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)																																																					
\$ 0.00																																																					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.																																																					
Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f). <table style="float: right;"> <tr> <td style="padding-right: 10px;">+</td> <td>0.00</td> </tr> </table>									+	0.00																																											
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TOTAL NATIONAL FEE = \$ 2110.00																																																					
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property <table style="float: right;"> <tr> <td style="padding-right: 10px;">+</td> <td>40.00</td> </tr> </table>									+	40.00																																											
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Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453) <table style="float: right;"> <tr> <td style="padding-right: 10px;">+</td> <td>0.00</td> </tr> </table>									+	0.00																																											
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TOTAL FEES ENCLOSED = \$ 2150.00																																																					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;"></td> <td style="width: 10%; text-align: center;">Amount to be: refunded</td> <td style="width: 20%; text-align: right;">\$</td> </tr> <tr> <td></td> <td style="text-align: center;">Charged</td> <td style="text-align: right;">\$</td> </tr> </table>										Amount to be: refunded	\$		Charged	\$																																							
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a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$ _____ to cover the above fees. A duplicate copy of this form is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A <u>duplicate copy</u> of this form is enclosed. d. <input checked="" type="checkbox"/> CREDIT CARD PAYMENT FORM ATTACHED. e. <input checked="" type="checkbox"/> The entire content of International Application No. PCT/GB2003/002851 and any U.S. and foreign application(s) corresponding thereto, and GB 0216075.2, referred to in this application is/are hereby incorporated by reference in this application.																																																					
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.																																																					
CORRESPONDENCE ADDRESS																																																					
Direct all correspondence to:																																																					
<input checked="" type="checkbox"/> Customer Number: 23117 <small>Type Customer Number here</small>																																																					
 Stanley C. Spangler <small>NAME</small>																																																					
Telephone: (703) 816-4000																																																					
SCS:kmm																																																					
27,393 January 11, 2005																																																					
REGISTRATION NUMBER Date																																																					

Telephone: (703) 816-4000
SCS:kmm

Type Customer Number here

Stanley G. Spogli

NAME _____

27.393

January 11, 2005

Date